

Author index of Volume 88*

- Anwar, M.N., see Zaghoul, N.A. (2) 259–272
- Argyris, J., I. St. Doltsinis and V.D. da Silva, Constitutive modelling and computation of non-linear viscoelastic solids. Part I: Rheological models and numerical integration techniques (2) 135–163
- Belytschko, T. and L.P. Bindeman, Assumed strain stabilization of the 4-node quadrilateral with 1-point quadrature for nonlinear problems (3) 311–340
- Bindeman, L.P., see Belytschko, T. (3) 311–340
- Borja, R.I., Cam–Clay plasticity. Part II: Implicit integration of constitutive equation based on a nonlinear elastic stress predictor (2) 225–240
- Borja, R.I. and S.S. Kishnani, On the solution of elliptic free-boundary problems via Newton's method (3) 341–361
- Côté, D., see Fortin, A. (1) 97–109
- Da Silva, V.D., see Argyris, J. (2) 135–163
- Demkowicz, L., J.T. Oden, W. Rachowicz and O. Hardy, An h - p Taylor–Galerkin finite element method for compressible Euler equations (3) 363–396
- Doltsinis, I.St., see Argyris, J. (2) 135–163
- Dracopoulos, M.C., see Papadarakakis, M. (3) 275–286
- Dunbar, W.S., see Nour-Ohmid, B. (1) 75–95
- Dutra do Carmo, E.G. and A.C. Galeão, Feedback Petrov–Galerkin methods for convection-dominated problems (1) 1–16
- Ekebjærg, L. and P. Justesen, An explicit scheme for advection–diffusion modelling in two dimensions (3) 287–297
- Elishakoff, I. and B. Pletner, Analysis of buckling by computer algebra (3) 299–309
- Fortin, A., D. Côté and P.A. Tanguy, On the imposition of friction boundary conditions for the numerical simulation of Bingham fluid flows (1) 97–109
- Galeão, A.C., see Dutra do Carmo, E.G. (1) 1–16
- Gaudrat, V.F., A Newton type algorithm for plastic limit analysis (2) 207–224
- Hardy, O., see Demkowicz, L. (3) 363–396

* The issue number is given in front of the page numbers.

- Justesen, P., see Ekebjærg, L. (3) 287 – 297
- Kishnani, S.S., see Borja, R.I. (3) 341 – 361
- Leonard, B.-P., The ULTIMATE conservative difference scheme applied to unsteady one-dimensional advection (1) 17 – 74
- Matejovič, P., Quadrilateral with high coarse-mesh accuracy for solid mechanics in axisymmetric geometry (2) 241 – 258
- Nour-Ohmid, B., W.S. Dunbar and A.D. Woodbury, Lanczos and Arnoldi methods for the solution of convection-diffusion equations (1) 75 – 95
- Oden, J.T., see Demkowicz, L. (3) 363 – 396
- Papadrakakis, M. and M.C. Dracopoulos, A global preconditioner for the element-by-element solutions methods (3) 275 – 286
- Papadrakakis, M. and A.P. Theoharis, Tracing post-limit-point paths with incomplete or without factorization of the stiffness matrix (2) 165 – 187
- Pletner, B., see Elishakoff, I. (3) 299 – 309
- Rachowicz, W., see Demkowicz, L. (3) 363 – 396
- Simo, J.C., Nonlinear stability of the time-discrete variational problem of evolution in nonlinear heat conduction, plasticity and viscoplasticity (1) 111 – 131
- Tanguy, P.A., see Fortin, A. (1) 97 – 109
- Teixeira de Freitas, J.A., A kinematic model for plastic limit analysis of solids by the boundary integral method (2) 189 – 205
- Theoharis, A. P., see Papadrakakis, M. (2) 165 – 187
- Woodbury, A.D., see Nour-Ohmid, B. (1) 75 – 95
- Zaghloul, N.A. and M.N. Anwar, Numerical integration of gradually varied flow in trapezoidal channel (2) 259 – 272

Subject index of Volume 88*

Boundary element methods

- A kinematic model for plastic limit analysis of solids by the boundary integral method, J.A. Teixeira de Freitas (2) 189-205

Elasticity

- Quadrilateral with high coarse-mesh accuracy for solid mechanics in axisymmetric geometry, P. Matejovič (2) 241-258

Finite difference methods

- The ULTIMATE conservative difference scheme applied to unsteady one-dimensional advection, B.P. Leonard (1) 17-74
A Newton type algorithm for plastic limit analysis, V.F. Gaudrat (2) 207-224
An explicit scheme for advection-diffusion modelling in two dimensions, L. Ekebjærg and P. Justesen (3) 287-297

Finite element and matrix methods

- Feedback Petrov-Galerkin methods for convection-dominated problems, E.G. Dutra do Carmo and A.C. Galeão (1) 1-16
On the imposition of friction boundary conditions for the numerical simulation of Bingham fluid flows, A. Fortin, D. Côté and P.A. Tanguy (1) 97-109
Constitutive modelling and computation of non-linear viscoelastic solids. Part I: Rheological models and numerical integration techniques, J. Argyris, I.St. Doltsinis and V.D. da Silva (2) 135-163
Tracing post-limit-point paths with incomplete or without factorization of the stiffness matrix, M. Papadrakakis and A.P. Theoharis (2) 165-187
Cam-Clay plasticity, Part II: Implicit integration of constitutive equation based on a nonlinear elastic stress predictor, R.I. Borja (2) 225-240
Quadrilateral with high coarse-mesh accuracy for solid mechanics in axisymmetric geometry, P. Matejovič (2) 241-258
A global preconditioner for the element-by-element solution methods, M. Papadrakakis and M.C. Dracopoulos (3) 275-286

* The issue number is given in front of the page numbers.

Fluid mechanics

- Feedback Petrov–Galerkin methods for convection-dominated problems,
E.G. Dutra do Carmo and A.C. Galeão (1) 1–16
- The ULTIMATE conservative difference scheme applied to unsteady one-
dimensional advection, B.P. Leonard (1) 17–74
- On the imposition of friction boundary conditions for the numerical
simulation of Bingham fluid flows, A. Fortin, D. Côté and P.A. Tanguy (1) 97–109
- Numerical integration of gradually varied flow in trapezoidal channel, N.A.
Zaghloul and M.N. Anwar (2) 259–272
- An explicit scheme for advection–diffusion modelling in two dimensions, L.
Ekebjærg and P. Justesen (3) 287–297
- An h – p Taylor–Galerkin finite element method for compressible Euler
equations, L. Demkowicz, J.T. Oden, W. Rachowicz and O. Hardy (3) 363–396

Gas dynamics

- An h – p Taylor–Galerkin finite element method for compressible Euler
equations, L. Demkowicz, J.T. Oden, W. Rachowicz and O. Hardy (3) 363–396

Heat and diffusion

- An explicit scheme for advection–diffusion modelling in two dimensions, L.
Ekebjærg and P. Justesen (3) 287–297
- On the solution of elliptic free-boundary problems via Newton's method,
R.I. Borja and S.S. Kishnani (3) 341–361

Least squares method

- Feedback Petrov–Galerkin methods for convection-dominated problems,
E.G. Dutra do Carmo and A.C. Galeão (1) 1–16

Limit solutions

- A kinematic model for plastic limit analysis of solids by the boundary
integral method, J.A. Teixeira de Freitas (2) 189–205
- A Newton type algorithm for plastic limit analysis, V.F. Gaudrat (2) 207–224

Nonlinear mechanics

- Nonlinear stability of the time-discrete variational problem of evolution in
nonlinear heat conduction, plasticity and viscoplasticity, J.C. Simo (1) 111–131
- Constitutive modelling and computation of non-linear viscoelastic solids.
Part I: Rheological models and numerical integration techniques, J.
Argyris, I.St. Doltsinis and V.D. da Silva (2) 135–163

- Tracing post-limit-point paths with incomplete or without factorization of the stiffness matrix, M. Papadrakakis and A.P. Theoharis (2) 165 – 187
- Cam–Clay plasticity, Part II: Implicit integration of constitutive equation based on a nonlinear elastic stress predictor, R.I. Borja (2) 225 – 240
- Assumed strain stabilization of the 4-node quadrilateral with 1-point quadrature for nonlinear problems, T. Belytschko and L.P. Bindeman (3) 311 – 340
- On the solution of elliptic free-boundary problems via Newton's method, R.I. Borja and S.S. Kishnani (3) 341 – 361

Numerical solution procedures

- Feedback Petrov–Galerkin methods for convection-dominated problems, E.G. Dutra do Carmo and A.C. Galeão (1) 1 – 16
- Lanczos and Arnoldi methods for the solution of convection-diffusion equations, B. Nour-Omid, W.S. Dunbar and A.D. Woodbury (1) 75 – 95
- Cam–Clay plasticity, Part II: Implicit integration of constitutive equation based on a nonlinear elastic stress predictor, R.I. Borja (2) 225 – 240
- A global preconditioner for the element-by-element solution methods, M. Papadrakakis and M.C. Dracopoulos (3) 275 – 286
- Analysis of buckling by computer algebra, I. Elishakoff and B. Pletner (3) 229 – 309

Plasticity

- Nonlinear stability of the time-discrete variational problem of evolution in nonlinear heat conduction, plasticity and viscoplasticity, J.C. Simo (1) 111 – 131
- A kinematic model for plastic limit analysis of solids by the boundary integral method, J.A. Teixeira de Freitas (2) 189 – 205
- A Newton type algorithm for plastic limit analysis, V.F. Gaudrat (2) 207 – 224
- Cam–Clay plasticity, Part II: Implicit integration of constitutive equation based on a nonlinear elastic stress predictor, R.I. Borja (2) 225 – 240

Shells and plates

- Assumed strain stabilization of the 4-node quadrilateral with 1-point quadrature for nonlinear problems, T. Belytschko and L.P. Bindeman (3) 311 – 340

Solutions of differential equations

- Numerical integration of gradually varied flow in trapezoidal channel, N.A. Zaghloul and M.N. Anwar (2) 259 – 272

Stability in structural mechanics

- Analysis of buckling by computer algebra, I. Elishakoff and B. Pletner (3) 299 – 309

Structural mechanics

Constitutive modelling and computation of non-linear viscoelastic solids.

Part I: Rheological models and numerical integration techniques, J. Argyris, I.St. Doltsinis and V.D. da Silva (2) 135 – 163

Tracing post-limit-point paths with incomplete or without factorization of the stiffness matrix, M. Papadrakakis and A.P. Theoharis (2) 165 – 187

A global preconditioner for the element-by-element solution methods, M. Papadrakakis and M.C. Dracopoulos (3) 275 – 286

Systems of linear and nonlinear simultaneous equations

On the solution of elliptic free-boundary problems via Newton's method, R.I. Borja and S.S. Kishnani (3) 341 – 361

Transonic flow

An h - p Taylor–Galerkin finite element method for compressible Euler equations, L. Demkowicz, J.T. Oden, W. Rachowicz and O. Hardy (3) 363 – 396

Transport phenomena

Lanczos and Arnoldi methods for the solution of convection-diffusion equations, B. Nour-Omid, W.S. Dunbar and A.D. Woodbury (1) 75 – 95

Viscoelastic and viscoplastic media

On the imposition of friction boundary conditions for the numerical simulation of Bingham fluid flows, A. Fortin, D. Côté and P.A. Tanguy (1) 97 – 109

Nonlinear stability of the time-discrete variational problem of evolution in nonlinear heat conduction, plasticity and viscoplasticity, J.C. Simo (1) 111 – 131

Constitutive modelling and computation of non-linear viscoelastic solids.

Part I: Rheological models and numerical integration techniques, J. Argyris, I.St. Doltsinis and V.D. da Silva (2) 135 – 163

